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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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(PCT Article 36 and Rule 70)

PCT

044988-030-5490	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)							
International application No.	International filing date (day/mon	nth/year) Priority date (day/month/year)							
PCT/US03/19905	26 June 2003 (26.06.2003)	O1 July 2002 (01.07.2002)							
International Patent Classification (IPC) or	r national classification and IPC	(01.002 (01.07.2002)							
IPC(7): G01N 33/48 and US Cl.: 702/19									
Applicant									
3-DIMENSIONAL PHARMACEUTICAL	S, INC.								
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.									
2. This REPORT consists of a	total of sheets, including t	his cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).									
These annexes consist of a t	otal of sheets.								
3. This report contains indicati	ons relating to the following it	ems:							
I Basis of the report									
II Priority									
III Non-establishmen	t of report with regard to nove	lty, inventive step and industrial applicability							
IV Lack of unity of in		***							
Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
VI Certain documents cited									
VII Certain defects in	the international application								
VIII Certain observations on the international application									
apparation									
Date of submission of the demand	Date of	f completion of this report							
21 January 2004 (21.01.2004)		Date of completion of this report							
		26 July 2004 (26.07.2004)							
Name and mailing address of the IPEA/US  Mail Stop PCT, Attn: IPEA/US		Authorized officer							
Commissioner for Patents P.O. Box 1450	Shubo	Shubo (Joe) Zhou F. Roberts for							
Alexandria, Virginia 223 13-1450 Facsimile No. (703) 872-9306		Telephone No. (571) 272-1600							
rm PCT/IPEA/409 (cover sheet)(July 1998)									



International application No.	
PCT/US03/19905	

I,	Bas	is of the report						
1.	Wit	With regard to the elements of the international application:*						
	$\boxtimes$	the international application as originally filed.						
	$\boxtimes$	the description:						
]		pages 1-15 as originally filed						
		pages NONE, filed with the demand						
}		pages NONE, filed with the letter of						
	$\boxtimes$	the claims:						
İ		pages 16 and 17, as originally filed						
		pages NONE , as amended (together with any statement) under Article 19 pages NONE , filed with the demand						
		pages NONE , filed with the demand pages NONE , filed with the letter of .						
	X	the drawings:						
	لكا	pages 1-8 , as originally filed						
		pages NONE , filed with the demand						
		pages NONE, filed with the letter of						
		the sequence listing part of the description:						
		pages NONE , as originally filed						
		pages NONE , filed with the demand						
		pages NONE, filed with the letter of						
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the						
	Thes	page in which the international application was filed, unless otherwise indicated under this item.  e elements were available or furnished to this Authority in the following language which is:						
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).						
		the language of publication of the international application (under Rule 48.3(b)).						
		the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).						
3.	With inten	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:						
		contained in the international application in printed form.						
		filed together with the international application in computer readable form.						
		furnished subsequently to this Authority in written form.						
		furnished subsequently to this Authority in computer readable form.						
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
4.	$\boxtimes$	The amendments have resulted in the cancellation of:						
		the description, pages NONE						
		the claims, Nos. NONE						
		the drawings, sheets/ <del>fig</del> NONE						
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**						
this	eplac repor	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in t as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). placement sheet containing such amendments must be referred to under item 1 and annexed to this report.						

Form PCT/IPEA/409 (Box I) (July 1998)



International application No. PCT/US03/19905

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
1. STATEMENT								
Novelty (N)	Claims	1-12		YES				
	Claims	NONE		NO				
Inventive Step (IS)	Claims	1-12		YES				
		NONE		NO				
Industrial Applicability (IA)	Claims	1-12		YES				
	Claims	NONE		NO				
2. CITATIONS AND EXPLANATIONS  Claims 1-12 meet the criteria set out in PCT Article 33(2)-(3) because the prior art does not teach or fairly suggest the claimed methods of generationg atomic coordinates from a set of interatomic distance and volume constraints involving both the distance and volume constraints. The claimed inventions are not disclosed or derivable in an obvious manner form these documents. Hence claims 1-12 are considered to involve an inventiove step in the sense of PCT Article 33(3).  Claims 1-12 meet the criteria set out in PCT Article 33(4) because the claimed methods are useful in the design of drug candidates and thus are useful in the pharmaceutical industry.								